Confirmation of HLA Typing

Registry Use Only

Sequence Number:

Date Received:

OMB No: 0915-0310
Expiration Date: 08/31/2025

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CIBMTR Center Number: ___ ___ ___ ___ ___

CIBMTR Research ID: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

Event date: ___ ___ ___ ___ — ___ ___ — ___ ___

YYYY MM DD

Product Identifiers:

Registry donor ID: __ __ __ __ __ __ __ __ __ __ __ __ __ __ __

Non-NMDP cord blood unit ID: __ __ __ __ __ __ __ __ __ __ __ __ __ __ __

Global Registration Identifier for Donors (GRID): __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __

ISBT DIN: __ __ __ __ __ __ __ __ __ __ __ __ __ __ __

Registry or UCB Bank ID: __ __ __ __

Donor DOB: __ __ __ __ - __ __ - __ __

YYYY MM DD

Donor Age: __ __ □ Months (use only if less than 1 year old)

□ Years

Donor Sex: □ Male □ Female

CIBMTR Center Number: ___ ___ ___ ___ ___ CIBMTR Research ID: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

Donor / Cord Blood Unit Identification

This form must be completed for all non-NMDP allogeneic or syngeneic donors or recipients, or non-NMDP cord blood units. If the donor, recipient, or cord blood unit was secured through the NMDP, then report HLA typing on the appropriate NMDP forms.

A separate copy of this form should be completed for each non-NMDP donor, recipient, or cord blood unit.

1. Specify the person for whom this typing is being done:
   - ☐ Recipient — final typing
   - ☐ Donor

HLA Typing by DNA Technology

2. Was documentation submitted to the CIBMTR? (e.g. lab report)
   - ☐ Yes
   - ☐ No

HLA Alleles Defined by DNA Technology (e.g., Sequence Specific Oligonucleotide Probe (SSOP) typing, Sequence Specific Primer (SSP) typing or Sequence Based (SBT) typing.)

DNA technology can be used to type for a single allele, combinations of alleles (allele strings) or a "generic" allele designation which is similar to a serologic typing result. For this reason, the number of digits, as well as the number of alleles, for reporting will vary.

Laboratories may use " / " , " – " or a combination of numbers and letters on the typing report as a shorthand notation for the results. Transcribe the information onto the form as directly as possible. The letters are called allele codes, and will be 1 or more characters in length which represent a combination of possible alleles at a locus. The same allele combination may be reported several different ways (e.g., DRB1*01:01 or 01:02, DRB1*01:01/01:02, DRB1*01:01/02, or DRB1*01:AB).

There will be two alleles reported for each locus, unless the individual is presumed homozygous (i.e., carries two copies of the same allele) at a locus. Transcribe the first allele designation in the first box, and the second allele designation in the second box. If the person is homozygous, leave the second box blank.

Class I

3. Locus A
   - ☐ Known – ***Go to question 4***
   - ☐ Unknown – ***Go to question 5***

4. First A* allele designations

Second A* allele designations

5. Locus B

☐ Known – ***Go to question 6***

☐ Unknown – ***Go to question 7***

6. First B* allele designations

Second B* allele designations

7. Locus C

☐ Known – ***Go to question 8***

☐ Unknown – ***Go to question 9***

8. First C* allele designations

Second C* allele designations

Class II

9. Locus DRB1

☐ Known – ***Go to question 10***

☐ Unknown – ***Go to question 11***

10. First DRB1* allele designations

Second DRB1* allele designations

Class II (Optional)

Please provide the optional allele information if it is available from your laboratory.

11. Locus DRB3

☐ Known – ***Go to question 12***

☐ Unknown – ***Go to question 13***

12. First DRB3* allele designations

Second DRB3* allele designations

13. Locus DRB4

☐ Known – ***Go to question 14***

☐ Unknown – ***Go to question 15***

14. First DRB4* allele designations

Second DRB4* allele designations

15. Locus DRB5

☐ Known – ***Go to question 16***

☐ Unknown – ***Go to question 17***

16. First DRB5* allele designations

Second DRB5* allele designations

17. Locus DQB1

☐ Known – ***Go to question 18***

☐ Unknown – ***Go to question 19***

18. First DQB1* allele designations

Second DQB1* allele designations

19. Locus DPB1

☐ Known – ***Go to question 20***

☐ Unknown – ***Go to question 21***

20. First DPB1* allele designations

Second DPB1* allele designations

21. Locus DQA1

☐ Known – ***Go to question 22***

☐ Unknown – ***Go to question 23***

22. First DQA1* allele designations

Second DQA1* allele designations

23. Locus DPA1

☐ Known – ***Go to question 24***

☐ Unknown – ***Go to question 25***

24. First DPA1* allele designations

Second DPA1* allele designations

Antigens Defined by Serologic Typing

Use the following lists when reporting HLA-A and B antigens. Report broad antigens only when your laboratory was not able to confirm typing for a known split antigen.

Instructions for the use of the "X" Antigen Specificity for Typing By Serology

Each HLA locus has a serologically defined "X" antigen specificity: AX, BX, CX, DRX, DPX, and DQX. At this time an "X" specificity is defined as "unknown but known to be different from the other antigen at that locus." This is different from a blank specificity, which is defined as "unknown but assumed to be the same as the other antigen at that locus." When comparisons between recipient and donor antigens involve an "X" or "blank" specificity, the "X" or "blank" is assumed to be homozygous for the antigen reported at the locus. In other words, the search algorithm treats typings containing "blank" or "X" antigens in the same manner as known homozygous typings.

A Antigens

25. Number of antigens provided:

- ☐ One – ***Go to question 26, then continue with question 28***
- ☐ Two – ***Go to questions 26-27***

26. Specificity – 1st antigen

- ☐ A1
- ☐ A2
- ☐ A203
- ☐ A210
- ☐ A3
- ☐ A9
- ☐ A10
- ☐ A11
- ☐ A19
- ☐ A23(9)
- ☐ A24(9)
- ☐ A2403
- ☐ A25(10)
- ☐ A26(10)
- ☐ A28
- ☐ A29(19)
- ☐ A30(19)
- ☐ A31(19)
- ☐ A32(19)
- ☐ A33(19)
- ☐ A34(10)
- ☐ A36
- ☐ A43
- ☐ A66(10)
- ☐ A68(28)
- ☐ A69(28)
- ☐ A74(19)
- ☐ A80
- ☐ AX

27. Specificity – 2nd antigen

- ☐ A1
- ☐ A2
- ☐ A203
- ☐ A210
- ☐ A3
- ☐ A9
- ☐ A10
- ☐ A11
- ☐ A19
- ☐ A23(9)
- ☐ A24(9)
- ☐ A2403
- ☐ A25(10)
- ☐ A26(10)
- ☐ A28
- ☐ A29(19)
- ☐ A30(19)
- ☐ A31(19)
- ☐ A32(19)
- ☐ A33(19)
- ☐ A34(10)
- ☐ A36
- ☐ A43
- ☐ A66(10)
- ☐ A68(28)
- ☐ A69(28)
- ☐ A74(19)
- ☐ A80
- ☐ AX

B Antigens

28. Number of antigens provided:

- ☐ One – ***Go to question 29, then continue with question 31***
- ☐ Two – ***Go to questions 29-30***

29. Specificity – 1st antigen

- ☐ B5
- ☐ B7
- ☐ B703
- ☐ B8
- ☐ B12
- ☐ B13
- ☐ B14
- ☐ B15
- ☐ B16
- ☐ B17
- ☐ B18
- ☐ B21
- ☐ B22
- ☐ B27
- ☐ B2708
- ☐ B35
- ☐ B37
- ☐ B38(16)
- ☐ B39(16)
- ☐ B3901
- ☐ B3902
- ☐ B40
- ☐ B4005
- ☐ B41
- ☐ B42
- ☐ B44(12)
- ☐ B45(12)
- ☐ B46
- ☐ B47
- ☐ B48

- ☐ B49(21)
- ☐ B50(21)
- ☐ B51(5)
- ☐ B5102
- ☐ B5103
- ☐ B52(5)
- ☐ B53
- ☐ B54(22)
- ☐ B55(22)
- ☐ B56(22)
- ☐ B57(17)
- ☐ B58(17)
- ☐ B59
- ☐ B60(40)
- ☐ B61(40)
- ☐ B62(15)
- ☐ B63(15)
- ☐ B64(14)
- ☐ B65(14)
- ☐ B67
- ☐ B70
- ☐ B71(70)
- ☐ B72(70)
- ☐ B73
- ☐ B75(15)
- ☐ B76(15)
- ☐ B77(15)
- ☐ B78
- ☐ B81
- ☐ B82
- ☐ BX

30. Specificity – 2nd antigen

- ☐ B5
- ☐ B7
- ☐ B703
- ☐ B8
- ☐ B12
- ☐ B13
- ☐ B14
- ☐ B15
- ☐ B16
- ☐ B17
- ☐ B18
- ☐ B21
- ☐ B22
- ☐ B27
- ☐ B2708
- ☐ B35
- ☐ B37
- ☐ B38(16)
- ☐ B39(16)
- ☐ B3901
- ☐ B3902
- ☐ B40
- ☐ B4005
- ☐ B41
- ☐ B42
- ☐ B44(12)
- ☐ B45(12)
- ☐ B46
- ☐ B47
- ☐ B48
- ☐ B49(21)
- ☐ B50(21)
- ☐ B51(5)
- ☐ B5102
- ☐ B5103

- ☐ B52(5)
- ☐ B53
- ☐ B54(22)
- ☐ B55(22)
- ☐ B56(22)
- ☐ B57(17)
- ☐ B58(17)
- ☐ B59
- ☐ B60(40)
- ☐ B61(40)
- ☐ B62(15)
- ☐ B63(15)
- ☐ B64(14)
- ☐ B65(14)
- ☐ B67
- ☐ B70
- ☐ B71(70)
- ☐ B72(70)
- ☐ B73
- ☐ B75(15)
- ☐ B76(15)
- ☐ B77(15)
- ☐ B78
- ☐ B81
- ☐ B82
- ☐ BX

Optional Antigen Reporting

Please provide the following optional antigen information if it is available from your laboratory.

Antigens Defined by Serologic Typing

C Antigens

31. Number of antigens provided:
    - ☐ One – ***Go to question 32, then continue with question 34***
    - ☐ Two – ***Go to questions 32-33***

32. Specificity – 1st antigen
    - ☐ Cw1
    - ☐ Cw2
    - ☐ Cw3
    - ☐ Cw4
    - ☐ Cw5
    - ☐ Cw6
    - ☐ Cw7
    - ☐ Cw8
    - ☐ Cw9(w3)
    - ☐ Cw10(w3)
    - ☐ CX

33. Specificity – 2nd antigen
    - ☐ Cw1
    - ☐ Cw2
    - ☐ Cw3
    - ☐ Cw4
    - ☐ Cw5
    - ☐ Cw6
    - ☐ Cw7
    - ☐ Cw8
    - ☐ Cw9(w3)
    - ☐ Cw10(w3)
    - ☐ CX

Bw Specificity

34. Specificity Bw4 present?

- ☐ Yes
- ☐ No

35. Specificity Bw6 present?

- ☐ Yes
- ☐ No

DR Antigens

36. Number of antigens provided:

- ☐ One – ***Go to question 37, then continue with question 39***
- ☐ Two – ***Go to questions 37-38***

37. Specificity – 1st antigen

- ☐ DR1
- ☐ DR103
- ☐ DR2
- ☐ DR3
- ☐ DR4
- ☐ DR5
- ☐ DR6
- ☐ DR7
- ☐ DR8
- ☐ DR9
- ☐ DR10
- ☐ DR11(5)
- ☐ DR12(5)
- ☐ DR13(6)
- ☐ DR14(6)
- ☐ DR1403
- ☐ DR1404
- ☐ DR15(2)
- ☐ DR16(2)
- ☐ DR17(3)
- ☐ DR18(3)

- ☐ DRX

38. Specificity – 2nd antigen

- ☐ DR1
- ☐ DR103
- ☐ DR2
- ☐ DR3
- ☐ DR4
- ☐ DR5
- ☐ DR6
- ☐ DR7
- ☐ DR8
- ☐ DR9
- ☐ DR10
- ☐ DR11(5)
- ☐ DR12(5)
- ☐ DR13(6)
- ☐ DR14(6)
- ☐ DR1403
- ☐ DR1404
- ☐ DR15(2)
- ☐ DR16(2)
- ☐ DR17(3)
- ☐ DR18(3)
- ☐ DRX

DR51 Antigen

39. Specificity DR51 present?

- ☐ Yes
- ☐ No

DR52 Antigen

40. Specificity DR52 present?

- ☐ Yes
- ☐ No

DR53 Antigen

41. Specificity DR53 present?

- ☐ Yes
- ☐ No

DQ Antigens

42. Number of antigens provided:

- ☐ One – ***Go to question 43, then continue with question 45***
- ☐ Two – ***Go to questions 43-44***

43. Specificity – 1st antigen

- ☐ DQ1
- ☐ DQ2
- ☐ DQ3
- ☐ DQ4
- ☐ DQ5(1)
- ☐ DQ6(1)
- ☐ DQ7(3)
- ☐ DQ8(3)
- ☐ DQ9(3)
- ☐ DQX

44. Specificity – 2nd antigen

- ☐ DQ1
- ☐ DQ2
- ☐ DQ3
- ☐ DQ4
- ☐ DQ5(1)
- ☐ DQ6(1)
- ☐ DQ7(3)
- ☐ DQ8(3)
- ☐ DQ9(3)
- ☐ DQX

DP Antigens

45. Number of antigens provided:

- ☐ One – ***Go to question 46, then continue with signature line***
- ☐ Two – ***Go to questions 46-47***

46. Specificity – 1st antigen

- ☐ DPw1
- ☐ DPw2
- ☐ DPw3
- ☐ DPw4
- ☐ DPw5
- ☐ DPw6
- ☐ DPX

47. Specificity – 2nd antigen

- ☐ DPw1
- ☐ DPw2
- ☐ DPw3
- ☐ DPw4
- ☐ DPw5
- ☐ DPw6
- ☐ DPX

CIBMTR Center Number: ___ ___ ___ ___ ___ CIBMTR Research ID: ___ ___ ___ ___ ___ ___ ___ ___ ___ ___

First Name: _____

Person completing form

Last Name: _____

E-mail address: _____

Date: ___ ___ ___ ___ — ___ ___ — ___ ___

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